

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

Amendment To The Claims

1. (Presently Amended) A pole ~~means and base~~ for holding ~~a structure~~ an array of pre-aimed, high intensity light fixtures in an elevated position comprising:

5 a base ~~means having a length including a lower section adapted for insertion into the ground and including a lower section and an upper section adapted to extend above the ground when the base is inserted in the ground;~~

a pole ~~section means having a length adapted for mateable slip-fitting over at least a portion of the upper section of the base, means and having a lower open end, an interior bore~~
10 ~~extending axially and inwardly from the lower open end, and the lower end having an inside diameter generally matching the inside diameter of the upper section of the base~~
~~means, the length of the pole being substantially longer than the length of the base; and~~
~~an array of pre-aimed light fixtures mounted to said one or more cross arms;~~

~~a connection member adapted to connect the array at or near the upper end of the pole; and~~

15 ~~means a portion of the base adapted to for positioning the lower open end of the pole-section-~~
~~means, when slip-fitted onto the base means, above the ground but generally nearer the~~
~~ground than the upper end of pole when the pole is installed in operative position on~~
~~base.~~

20 2. (Presently Amended) The pole ~~means~~ of claim 1 wherein the base ~~means~~ is made from concrete.

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

3. (Presently Amended) The pole ~~means~~ of claim 2 wherein the base ~~means~~ is made from hollowed concrete.

4. (Presently Amended) The pole ~~means~~ of claim 1 wherein the base ~~means~~ includes a
5 cylindrically shaped lower portion.

5. (Original) The pole ~~means~~ of claim 1 wherein the base ~~means~~ includes a frusto-conically shaped upper section.

10 6. (Presently Amended) The pole ~~means~~ of claim 1 wherein the upper section of the base
~~means includes a~~ tapered upper section and a lower section and the ~~means~~ said portion for
positioning comprises the tapered upper section ~~of means and to co-act with~~ a generally
matching tapered interior bore of the pole ~~section means~~.

15 7. (Presently Amended) The pole ~~means~~ of claim 1 wherein the upper section of the base
~~means~~ is tapered at 0.14 inches across the diameter of the base ~~means~~ per foot in height.

8. (Presently Amended) The pole ~~means~~ of claim 1 wherein the upper section of the base
~~means~~ is ~~always~~ a plurality of feet above ground.

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SERIAL NO: 09/964,301

Attorney Docket # P04278US5

10. (Presently Amended) The pole ~~means~~ of claim 1 wherein width and length of the base ~~means~~ is related to required strength, height, and weight of the pole ~~means~~ and structure attached to the pole ~~means~~.

5 11.(presently Amended) The pole ~~means~~ of claim 1 wherein the pole ~~section-meand~~ is made from metal.

12. (Presently Amended) The pole ~~means~~ of claim ~~11~~1 wherein the pole ~~section-means~~ is hollow.

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13. (Presently Amended) The pole ~~means~~ of claim 1 wherein the pole ~~section-means~~ is tapered along its entire length.

14. (Presently Amended) The pole ~~means~~ of claim 13 wherein the pole has an elongated
15 frusto-conical shape.

15. (Presently Amended) The pole ~~means~~ of claim 13 wherein the taper is approximately 0.14 inches in diameter per foot of length.

20 16. (Presently Amended) The pole ~~means~~ of claim 1 wherein the interior bore is slightly larger than the outside diameter of the upper section of the base ~~means~~.

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

17. (Presently Amended) The pole ~~means~~ of claim 1 wherein the slip fit between the base ~~means~~ and a pole section ~~means~~ locks the pole section ~~means~~ in place by resilient and frictional locking.

5 18. (Presently Amended) The pole ~~means~~ of Claim 1 ~~further comprising~~ wherein the pole comprises a plurality of pole sections ~~means~~, ~~one a~~ lowermost pole section ~~means~~ being slip fittable over the upper section of the base ~~means~~, additional pole sections ~~means~~ slip fittable in succession, sequentially on the preceding pole section ~~means~~.

10 19. (Presently Amended) The pole ~~means~~ of claim 1 wherein the pole section ~~means~~ includes mounting ~~means~~ upon which can be connected the ~~structure~~ array to be elevated.

21. (Presently Amended) A method of rigidly suspending ~~a structure~~ an array of pre-aimed, high intensity light fixtures in an elevated position comprising the steps of:

15 forming an upper section in a base having a length and a lower section ~~means~~ which is adapted to be mounted in the ground;

positioning the upper section of the base above the ground when the base ~~means~~ is mounted in the ground;

forming in a bottom portion of a pole, having a length, section a bore mateably slip fittable

20 over the upper section of the base ~~means~~, the length of the pole being substantially longer than the length of the base;

attaching to the pole an array of pre-aimed light fixtures mounted on one or more cross arms;

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

slip fitting the pole ~~section~~ to the base means so that the lower ~~section~~portion of the pole
section is above but generally nearer the ground than the top of the pole when the pole
is installed in operative position on the base.

5 22. (Presently Amended) The method of claim 21 further comprising positioning a stop
means on one of the base means and pole ~~section~~ for determining the distance upon which the
pole ~~section~~ slip fits over the base ~~section~~.

23. (Presently Amended) The method of claim 21 wherein the bore of the pole slips
10 unteoover the upper section of the base means to mount the pole ~~section~~ to the base means.

24. (Presently Amended) The method of claim 21 wherein the upper section of the base
means is tapered and the bore in the pole ~~section~~ is tapered to mateably match.

15 25. (Presently Amended) The method of claim 21 wherein the base means is made of
reinforced concrete.

26. (Presently Amended) The method of claim 21 wherein the pole ~~section~~ is made of
tubular metal.

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27. (Presently Amended) The method of claim 21 comprising the step of matching the
diameters and lengths of the base means and pole ~~section~~ according to pre-determined,

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

required strength, height, and weight of the pole-section and ~~the array structure attached to the~~
pole-section.

28. (Presently Amended) The method of claim 21 ~~further wherein the pole comprises~~
5 ~~positioning one or more additional pole sections each having a bore in a bottom portion and a~~
~~upper section so that each pole section can be sequentially slip fit to each~~ preceding pole
section.

30. (Presently Amended) The method of claim 21 further comprising the steps of:
10 moving the base means to a pre-excavated hole in the ground; adjusting the base means so
that it is generally plumb; filling the remaining areas of the excavated hole with material to
secure the base means in the hole; and
slip fitting said pole section to the base means.

15 31. (Presently Amended) The method of claim 21 further comprising the steps of:
moving the base means to a pre-excavated hole in the ground;
adjusting the base means so that it is generally plumb;
~~filling~~ filling the remaining areas of the excavated hole with material to secure the base means
in the hole; and
20 slip fitting a first pole section to the base means.

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

43. (Presently Amended) A method of rigidly suspending an array of pre-aimed high intensity light fixtures mounted on one or more cross arms in an elevated position comprising: determining the ~~needs~~structural requirements of a pole ~~structure of over thirty feet tall~~ by

considering one or more of the set comprised of height, weight, and distribution of the

5 ~~one or more members which are to be suspended~~array;

determining the ~~needs~~structural requirements of a base ~~means~~ having a length substantially

shorter than the pole to support the pole by considering one or more of the ~~following~~

~~set comprised of the set regarding determining the needs~~structural requirements of the

pole, type of ground, type of mounting of the base in the ground, and stresses at or

10 around the base ~~when installed in the ground~~ ~~means~~;

selecting a configuration for the pole ~~means~~ from one or more of the set comprised of

structural requirements of the pole, number of sections of the pole ~~means~~, shape of

each section, length of each section, largest diameter of each section, sheet thickness

and gauge of each section, steel tensile strength of each section, type of steel of each

15 section;

selecting a configuration of the base ~~means by considering from~~ one or more of the set

~~comprising the set used in selecting the~~ structural requirement of the base,

configuration of the pole ~~means~~, diameter of the base ~~means~~, amount of the base

~~means covered by the pole means when connected, type of concrete used in the base~~

20 ~~means, treatment of the concrete used in the base means, and~~

~~re-bar structure used in the base means, wall thickness, stress, type of steel, joint~~

~~strength, shipping considerations, ground type, and length of taper; and~~

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

constructing a pole ~~having a lower end and an upper end~~ means of desired configuration of the
 base and pole section or sections according to the selected determinations configuration
of the pole;

constructing a base having a lower section and an upper section according to the selected
 5 configuration of the base;

fixing one or more cross arms ~~the array~~ to the pole means;

~~attaching an array of pre-aimed light fixtures to said cross arm or cross arms~~ installing the
lower section of the base in the ground with the upper section extended above the
ground;

10 slip fitting the lower end of the pole to the upper section of the base so that the lower end of
the pole is held above the ground but nearer the ground than the upper end of the pole.

44. (Presently Amended) A system for rigidly elevating an array of pre-aimed high
intensity light fixtures mounted on one or more cross arms at a site comprising:

15 ~~one or more~~ at least one base means for positioning having a lower section installed below
ground in a desired predetermined locations in the ground at the site;

each base means having a length and a upper section which extends above ground when the
lower section of the base means is mounted installed in the ground;

~~one or more~~ a pole section means for each base means, the pole having a length for

20 suspending the elevated structure an array of light fixtures to a desired height, each
 pole section being having a hollow lower end and having an upper and lower ends, a
first pole section means the lower end of the pole being adapted to be slip fittable over

SERIAL NO: 09/964,301

Attorney Docket # P04278US5

the upper section of the ~~base means and additional pole section means successively~~
~~slip fittable over proceeding pole section means~~ but maintain the lower end of the pole
above the ground but nearer the ground than the top of the pole;

a connection adapted to mount an array to a pole,

- 5 ~~means for locking each pole section into position; and means for raising the locked pole~~
~~sections with the structure attached into vertical position.~~

45. (Presently Amended) The system of claim ~~wherein the means for~~ further comprises a
locking to lock the pole to the base, the lock comprising includes a substance coated on at

- 10 ~~least one of the upper sections of the base means and the lower end interior of the pole-~~
~~sections means.~~